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Set      Items   Description
S1          13   AU=(LEWALLEN D? OR LEWALLEN, D?)
S2           0   DAVID(2N)LEWALLEN
S3     1068422   MAGNET? OR ELECTROMAGNET? OR FERROMAGNET? OR PARAMAGNET? OR
               PERMAMAGNET? OR BIOMAGNET?
S4      455397   IC=(A61B? OR A61N? OR A61G? OR A47C? OR A61F?)
S5           8   S1:S2 AND S3:S4
S6           8   IDPAT (sorted in duplicate/non-duplicate order)
? show files
File 347:JAPIO Nov 1976-2004/Feb(Updated 040607)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200439
         (c) 2004  Thomson Derwent
?
```

6/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016230077 **Image available**
WPI Acc No: 2004-387966/200436
XRPX Acc No: N04-308837
Soft tissue compressive force reducing method for spinal cord injury patient, involves imbedding opposing magnet **in wheelchair to produce opposing force acting on permanent** magnet **implanted in ischial tuberosity of pelvis**
Patent Assignee: LEWALLEN D G (LEWA-I)
Inventor: **LEWALLEN D G**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040077922	A1	20040422	US 2002406468	P	20020828	200436	B
			US 2003650266	A	20030828		

Priority Applications (No Type Date): US 2002406468 P 20020828; US 2003650266 A 20030828
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040077922	A1		5	A61N-002/00	Provisional application US 2002406468

Soft tissue compressive force reducing method for spinal cord injury patient, involves imbedding opposing magnet **in wheelchair to produce opposing force acting on permanent** magnet **implanted in ischial tuberosity of pelvis**
Inventor: **LEWALLEN D G**

Abstract (Basic):
... The method involves implanting a permanent **magnet** (30) in an ischial tuberosity (18) of the pelvis of a human seated in a wheelchair, where the permanent **magnet** is housed in a circular cylindrical container (32). An opposing **magnet** (34) is imbedded in a supporting seat cushion (36) of the wheelchair for producing an opposing force that acts upward on the implanted **magnet** .
... An INDEPENDENT CLAIM is also included for a **magnet** assembly for reducing compressive forces on soft tissue disposed between a bone in a subject...

...The opposing **magnet** is imbedded in a supporting seat cushion to produce an opposing force that acts upward on the implanted **magnet** , thereby alleviating excessive pressure on the bone prominence, and hence allows for better perfusion of...

...Permanent **magnet** (30...
...Opposing **magnet** (34...
...Title Terms: **MAGNET** ;
International Patent Class (Main): **A61N-002/00**
International Patent Class (Additional): **A61B-017/52**

6/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016189946 **Image available**
WPI Acc No: 2004-347832/200432
XRAM Acc No: C04-132286

Prosthesis e.g. femoral prosthesis, has stem segments having longitudinal length greater than groove and transverse grooves having different longitudinal length such that stiffness of stem varies from proximal to distal ends

Patent Assignee: LEWALLEN D G (LEWA-I)
Inventor: **LEWALLEN D G**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040088056	A1	20040506	US 2002287113	A	20021104	200432	B

Priority Applications (No Type Date): US 2002287113 A 20021104
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040088056	A1		10	A61F-002/32	

Inventor: **LEWALLEN D G**
International Patent Class (Main): **A61F-002/32**

6/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016187907 **Image available**
WPI Acc No: 2004-345793/200432
XRPX Acc No: N04-276452
Implantable magnet **assembly for treating osteoarthritis, has permanent** magnets **provided in the cavity of container, such that container is implanted and retained in bone when bone grows into porous metal material**
Patent Assignee: BARNES D E (BARN-I); KAUFMAN K R (KAUF-I); LEWALLEN D G (LEWA-I)
Inventor: BARNES D E; KAUFMAN K R; **LEWALLEN D G**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040059423	A1	20040325	US 2002254232	A	20020925	200432	B

Priority Applications (No Type Date): US 2002254232 A 20020925
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040059423	A1		16	A61F-002/30	

Implantable magnet **assembly for treating osteoarthritis, has permanent** magnets **provided in the cavity of container, such that container is implanted** and retained in bone...
...Inventor: **LEWALLEN D G**

Abstract (Basic):
... Permanent **magnets** (10,12) are provided in the cavity of a container made from porous metal material. A cover is attached to the container for holding the **magnet** in the cavity. The container is implanted and retained in a fixed location in the...
... a) Implanting method of **magnet** in a bone; and...

...b) System for designing the deployment of permanent **magnets** .
...

...The figure illustrates a knee joint showing the implantation of permanent **magnets** .
...

...Permanent **magnets** (10,12
...Title Terms: **MAGNET** ;
International Patent Class (Main): **A61F-002/30**

6/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015768455 **Image available**
WPI Acc No: 2003-830657/200377
XRAM Acc No: C03-234034
XRPX Acc No: N03-663720
Modular acetabular support structure, for receiving socket of joint prosthesis, comprises anti-protrusion cage, and acetabular cup
Patent Assignee: LEWALLEN D G (LEWA-I)
Inventor: **LEWALLEN D G**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030171818	A1	20030911	US 2002351748	P	20020125	200377	B
			US 2003349596	A	20030123		

Priority Applications (No Type Date): US 2002351748 P 20020125; US 2003349596 A 20030123
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030171818	A1		15	A61F-002/34	Provisional application US 2002351748

Inventor: **LEWALLEN D G**
International Patent Class (Main): **A61F-002/34**

6/3,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015469390 **Image available**
WPI Acc No: 2003-531536/200350
XRAM Acc No: C03-143499
XRPX Acc No: N03-421700
Prosthesis for implanting into bone, has first and second coatings, with the first coating having ratio of bone ingrowth promoting material to bioabsorbable material greater than that of second coating
Patent Assignee: LEWALLEN D G (LEWA-I); MAYO FOUND MEDICAL EDUCATION & RES (MAYO-N)
Inventor: **LEWALLEN D G**
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030045941	A1	20030306	US 2001315128	P	20010827	200350	B
			US 2002225624	A	20020822		
US 6749639	B2	20040615	US 2001315128	P	20010827	200439	
			US 2002225624	A	20020822		

Priority Applications (No Type Date): US 2001315128 P 20010827; US 2002225624 A 20020822
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030045941	A1		11	A61F-002/30	Provisional application US 2001315128

US 6749639 B2 A61F-002/28 Provisional application US 2001315128
Inventor: **LEWALLEN D G**
International Patent Class (Main): **A61F-002/28** ...

... **A61F-002/30**
International Patent Class (Additional): **A61F-002/36**

6/3,K/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015418314 **Image available**
WPI Acc No: 2003-480454/200345
XRPX Acc No: N03-381974
Prosthetic system for implantation in cavity in end of bone, has prosthetic implant which is received in channel of support structure which is secured to inner surface of cavity in end of bone
Patent Assignee: HANSSEN A D (HANS-I); LEWALLEN D G (LEWA-I)
Inventor: HANSSEN A D; **LEWALLEN D G**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030065397	A1	20030403	US 2001315148	P	20010827	200345	B
			US 2002225774	A	20020822		

Priority Applications (No Type Date): US 2001315148 P 20010827; US 2002225774 A 20020822
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030065397	A1		23	A61F-002/28	Provisional application US 2001315148

...Inventor: **LEWALLEN D G**
International Patent Class (Main): **A61F-002/28**
International Patent Class (Additional): **A61F-002/32** ...

... **A61F-002/38**

6/3,K/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

Disregard

015214005 **Image available**
WPI Acc No: 2003-274542/200327
XRPX Acc No: N03-217820
Ultrasound imaging device for medical applications, displays several soft keyboards each exhibiting predetermined function, when selected using touch pad
Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG)
Inventor: KINICKI R M; **LEWALLEN D W** ; MAIER D G; SACCARDO G M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6491630	B1	20021210	US 2000710984	A	20001109	200327	B

Priority Applications (No Type Date): US 2000710984 A 20001109
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6491630	B1		13	A61B-008/00	

...Inventor: **LEWALLEN D W**

International Patent Class (Main): **A61B-008/00**

6/3,K/8 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014869225 **Image available**
WPI Acc No: 2002-689931/200274
XRPX Acc No: N02-544190

Portable ultrasonic diagnostic device for medical application, has console panel with buttons and icons through which commands are input to perform predetermined imaging or execute specific function

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG)
Inventor: BLACKWELL-JONES J M; COLLAMORE B; KINICKI R M; **LEWALLEN D W** ; RHOADS P K; SACCARDO G M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6436040	B1	20020820	US 2000710609	A	20001109	200274	B

Priority Applications (No Type Date): US 2000710609 A 20001109
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6436040	B1		20	A61B-008/00	

...Inventor: **LEWALLEN D W**
International Patent Class (Main): **A61B-008/00**

DISREGARD

```
Set      Items   Description
S1           2   AU=(LEWALLEN D? OR LEWALLEN, D?)
S2           2   DAVID(2N)LEWALLEN
S3      158329   MAGNET? OR ELECTROMAGNET? OR FERROMAGNET? OR PARAMAGNET? OR
              PERMAMAGNET? OR BIOMAGNET?
S4      109515   IC=(A61B? OR A61N? OR A61G? OR A47C? OR A61F?)
S5           1   S1:S2 AND S3:S4
? show files
File 348:EUROPEAN PATENTS 1978-2004/Jun W02
         (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040617,UT=20040610
         (c) 2004 WIPO/Univentio
```

5/5,AU/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00829266
AUTOMOBILE AIRBAG DEACTIVATION SYSTEM
SYSTEME DE DESACTIVATION D'AIRBAGS D'AUTOMOBILES
Patent Applicant/Inventor:
LEWALLEN David G, 1220 7th Street S.W., Rochester, MN 55902, US, US (Residence), US (Nationality)
LOVETT Richard J, 1220 7th Street S.W., Rochester, MN 55902, US, US (Residence), US (Nationality
Legal Representative:
LARRY Wm Alexander (et al) (agent), Patterson, Thuente, Skaar & Christensen, P.A., 4800 IDS Center, 80 South Eighth Street, Minneapolis, MN 55402-2100, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200162555 A1 20010830 (WO 0162555)
Application: WO 2001US5590 20010221 (PCT/WO US0105590)
Priority Application: US 2000507963 20000222
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: B60R-021/01
Publication Language: English
Filing Language: English
Fulltext Word Count: 2620

English Abstract
An automobile airbag deactivation system is provided to enable emergency services personnel to prevent uninflated airbags from inflating when crash victims are being extricated from crashed automobiles. The system would enable emergency services personnel to deactivate all airbag inflation systems. The airbag deactivation system includes an interrupt switch and a switch control. The interrupt switch is located so as to prevent airbag inflation, such as between the airbag control circuitry and the airbag actuator or between the airbag actuator and the airbag. The switch control includes a device to open the interrupt switch and an access control device. The access control device prevents deactivation of the airbag inflating system by non-emergency personnel. Embodiments of the access control device include restricted **electromagnetic** band communication between a signal source and a signal transducer. The transducer opens the interrupt switch to deactivate the airbag inflation system. In other embodiments, a mechanical lock is used. Keys to these locks may be made available to emergency services personnel.

French Abstract
L'invention porte sur un systeme de desactivation d'airbags d'automobiles permettant aux personnels de secours d'empecher le gonflement inopine des airbags non declenches pendant que les victimes d'un accident sont extraites d'un vehicule accidente, la desactivation de tous les dispositifs de gonflage etant assuree par ledit personnel. Le systeme de desactivation comporte un interrupteur, et une commande d'interrupteur, l'interrupteur etant place de maniere a empecher le gonflage soit entre le circuit de commande de gonflage, et l'activateur de l'airbag, soit entre l'activateur de l'airbag et l'airbag. Un dispositif de restriction

limite l'acces au systeme au personnel de secours; dans certaines realisations, il consiste en un transducteur **electro**magnetique qui ouvre l'interrupteur et desactive le systeme de gonflage, dans d'autres realisations, il consiste en une serrure mecanique. Les clefs correspondantes peuvent etre mise a la disposition du personnel de secours.

Legal Status (Type, Date, Text)

Publication	20010830	A1 With international search report.
Publication	20010830	A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Examination	20011206	Request for preliminary examination prior to end of 19th month from priority date

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S1        305   AU=(LEWALLEN D? OR LEWALLEN, D?)
S2          1   DAVID(2N)LEWALLEN
S3    4168579   MAGNET? OR ELECTROMAGNET? OR FERROMAGNET? OR PARAMAGNET? OR
              PERMAMAGNET? OR BIOMAGNET?
S4          5   S1:S2 AND S3
S5          2   RD (unique items)
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File  94:JICST-EPlus 1985-2004/May W5
         (c)2004 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2004/Jun W1
         (c) 2004 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/May
         (c) 2004 The HW Wilson Co.
File  35:Dissertation Abs Online 1861-2004/May
         (c) 2004 ProQuest Info&Learning
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Jun 24
         (c) 2004 The Gale Group
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File   2:INSPEC 1969-2004/Jun W2
         (c) 2004 Institution of Electrical Engineers
File   6:NTIS 1964-2004/Jun W3
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2004/Jun W2
         (c) 2004 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2004/Jun W3
         (c) 2004 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File  65:Inside Conferences 1993-2004/Jun W3
         (c) 2004 BLDSC all rts. reserv.
File 473:FINANCIAL TIMES ABSTRACTS 1998-2001/APR 02
         (c) 2001 THE NEW YORK TIMES
File 474:New York Times Abs 1969-2004/Jun 24
         (c) 2004 The New York Times
File 475:Wall Street Journal Abs 1973-2004/Jun 24
         (c) 2004 The New York Times
File 481:DELPHES Eur Bus 95-2004/Jun W2
         (c) 2004 ACFCI & Chambre CommInd Paris
File  48:SPORTDiscus 1962-2004/Jun
         (c) 2004 Sport Information Resource Centre
File  50:CAB Abstracts 1972-2004/May
         (c) 2004 CAB International
File 155:MEDLINE(R) 1966-2004/Jun W2
         (c) format only 2004 The Dialog Corp.
File   5:Biosis Previews(R) 1969-2004/Jun W3
         (c) 2004 BIOSIS
File  73:EMBASE 1974-2004/Jun W2
         (c) 2004 Elsevier Science B.V.
File  71:ELSEVIER BIOBASE 1994-2004/Jun W2
         (c) 2004  Elsevier Science B.V.
File 144:Pascal 1973-2004/Jun W2
         (c) 2004 INIST/CNRS
File 164:Allied & Complementary Medicine 1984-2004/May
          (c) 2004 BLHCIS
File  91:MANTIS(TM) 1880-2004/Jul
         2001 (c) Action Potential
File 467:ExtraMED(tm) 2000/Dec
         (c) 2001 Informania Ltd.
?
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5/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

08787924 PMID: 2281754
Quantification of bone healing. Comparison of QCT, SPA, MRI, and DEXA in dog osteotomies.
Markel M D; Wikenheiser M A; Morin R L; **Lewallen D G** ; Chao E Y
Department of Orthopedics, Mayo Clinic, Rochester, Minnesota 55905.
Acta orthopaedica Scandinavica (DENMARK) Dec 1990, 61 (6) p487-98, ISSN 0001-6470 Journal Code: 0370352
Contract/Grant No.: AR08045; AR; NIAMS
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Markel M D; Wikenheiser M A; Morin R L; **Lewallen D G** ; Chao E Y
... used to quantitatively evaluate and compare tibial osteotomy healing in dogs. Quantitative computed tomography (QCT), **magnetic** resonance imaging (MRI), single-photon absorptiometry (SPA), and dual-energy x-ray absorptiometry (DEXA) were...
; Absorptiometry, Photon--methods--MT; Animals; Biomechanics; Bony Callus --chemistry--CH; Dogs; **Magnetic** Resonance Imaging; Tibia--chemistry--CH; Tibia--surgery--SU; Tomography, X-Ray Computed; Wound Healing

5/3,K/2 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

11342497 EMBASE No: 2001356734
Vertebral osteomyelitis and prosthetic joint infection due to Staphylococcus simulans
Razonable R.R.; **Lewallen D.G.** ; Patel R.; Osmon D.R.
Dr. D.R. Osmon, Division of Infectious Diseases, Mayo Clinic, 200 First St SW, Rochester, MN 55905 United States
Mayo Clinic Proceedings (MAYO CLIN. PROC.) (United States) 2001, 76/10 (1067-1070)
CODEN: MACPA ISSN: 0025-6196
DOCUMENT TYPE: Journal ; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 22

Razonable R.R.; **Lewallen D.G.** ; Patel R.; Osmon D.R.
MEDICAL DESCRIPTORS:
...intervertebral disk; bone biopsy; bacterium culture; arthroplasty; pelvis fracture--surgery--su; arthrosis--surgery--su; nuclear **magnetic** resonance imaging; human; male; case report; aged; article; nucleotide sequence

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Set     Items   Description
S1        438   AU=(LEWALLEN D? OR LEWALLEN, D?)
S2          5   DAVID(2N)LEWALLEN
S3     674908   MAGNET? OR ELECTROMAGNET? OR FERROMAGNET? OR PARAMAGNET? OR
              PERMAMAGNET? OR BIOMAGNET?
S4          5   S1:S2 AND S3
S5          4   RD (unique items)
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File  16:Gale Group PROMT(R) 1990-2004/Jun 24
         (c) 2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
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File 148:Gale Group Trade & Industry DB 1976-2004/Jun 24
         (c)2004 The Gale Group
File 149:TGG Health&Wellness DB(SM) 1976-2004/Jun W2
         (c) 2004 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Jun 24
         (c) 2004 The Gale Group
File 444:New England Journal of Med. 1985-2004/Jun W4
         (c) 2004 Mass. Med. Soc.
File 441:ESPICOM Pharm&Med DEVICE NEWS 2004/Jun W3
         (c) 2004 ESPICOM Bus.Intell.
File 369:New Scientist 1994-2004/Jun W2
         (c) 2004 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
         (c) 1999 AAAS
File 129:PHIND(Archival) 1980-2004/Jun W2
         (c) 2004 PJB Publications, Ltd.
File 130:PHIND(Daily & Current) 2004/Jun 24
         (c) 2004 PJB Publications,Ltd.
File 135:NewsRx Weekly Reports 1995-2004/Jun W1
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File  98:General Sci Abs/Full-Text 1984-2004/Jun
         (c) 2004 The HW Wilson Co.
File  15:ABI/Inform(R) 1971-2004/Jun 24
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File   9:Business & Industry(R) Jul/1994-2004/Jun 23
         (c) 2004  The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2004/Jun 23
         (c) 2004 The Gale group
File  80:TGG Aerospace/Def.Mkts(R) 1986-2004/Jun 24
         (c) 2004 The Gale Group
File 141:Readers Guide 1983-2004/Jun
         (c) 2004 The HW Wilson Co
File 482:Newsweek 2000-2004/Jun 22
         (c) 2004 Newsweek, Inc.
File 484:Periodical Abs Plustext 1986-2004/Jun W2
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File 635:Business Dateline(R) 1985-2004/Jun 24
         (c) 2004 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2004/Jun 23
         (c) 2004 The Gale Group
File 646:Consumer Reports 1982-2004/Jun
         (c) 2004 Consumer Union
File 609:Bridge World Markets 2000-2001/Oct 01
         (c) 2001 Bridge
File 649:Gale Group Newswire ASAP(TM) 2004/Jun 23
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File 610:Business Wire 1999-2004/Jun 24
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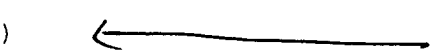

& SIGNIFICANT HITS AFTER REVIEW

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File 613:PR Newswire 1999-2004/Jun 24
         (c) 2004 PR Newswire Association Inc
File 809:Bridge World Markets News 1989-1999/Dec 31
         (c) 1999 Bridge
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File  20:Dialog Global Reporter 1997-2004/Jun 24
         (c) 2004 The Dialog Corp.
File 570:Gale Group MARS(R) 1984-2004/Jun 24
         (c) 2004 The Gale Group
?
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Set      Items   Description
S1     1068422   MAGNET? OR ELECTROMAGNET? OR FERROMAGNET? OR PARAMAGNET? OR
                 PERMAMAGNET? OR BIOMAGNET?
S2     1351882   IMPLANT? OR EMBED? OR IMBED? OR EMPLANT? OR TRANSPLANT? OR
                 INFIX? OR INSERT? OR ENGRAFT?
S3        2792   (BED OR BEDS OR PRESSURE? OR COMPRESS? OR DECUBIT?)(2N)(UL-
                 CER? OR SORE? ? OR CHANCRE? OR LESION? OR WOUND?)
S4      191338   REPULS? OR REPEL? OR OPPOSING OR LEVITAT?
S5      170305   (REDUC? OR ALLEVIAT? OR EASE? OR EASING OR LIGHTEN? OR MIT-
                 IGAT? OR ABAT? OR PREVENT?)(5N)(PRESSURE? OR COMPRESS?()FORCE-
                 ?)
S6        4055   SPACE?()APART(5N)RELATION?
S7      455397   IC=(A61B? OR A61N? OR A61G? OR A47C? OR A61F?)
S8          12   S1 AND S2 AND S3
S9           6   S8 AND S4:S7
S10         12   S8:S9
S11         12   IDPAT (sorted in duplicate/non-duplicate order)
? show files
File 347:JAPIO Nov 1976-2004/Feb(Updated 040607)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200439
         (c) 2004  Thomson Derwent
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S9          5   S8 AND S4:S7
S10        10   S8:S9
S11        10   IDPAT (sorted in duplicate/non-duplicate order)
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File 347:JAPIO Nov 1976-2004/Feb(Updated 040607)
        (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200439
        (c) 2004  Thomson Derwent
?
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11/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016230077 **Image available**
WPI Acc No: 2004-387966/200436
XRPX Acc No: N04-308837
Soft tissue compressive force reducing **method for spinal cord injury patient, involves** imbedding opposing magnet **in wheelchair to produce** opposing **force acting on permanent** magnet implanted **in ischial tuberosity of pelvis**
Patent Assignee: LEWALLEN D G (LEWA-I)
Inventor: LEWALLEN D G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040077922	A1	20040422	US 2002406468	P	20020828	200436 B
			US 2003650266	A	20030828	

Priority Applications (No Type Date): US 2002406468 P 20020828; US 2003650266 A 20030828
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040077922	A1		5	A61N-002/00	Provisional application US 2002406468

Soft tissue compressive force reducing **method for spinal cord injury patient, involves** imbedding opposing magnet **in wheelchair to produce** opposing **force acting on permanent** magnet implanted **in ischial tuberosity of pelvis**

Abstract (Basic):
... The method involves **implanting** a permanent **magnet** (30) in an ischial tuberosity (18) of the pelvis of a human seated in a wheelchair, where the permanent **magnet** is housed in a circular cylindrical container (32). An **opposing magnet** (34) is **imbedded** in a supporting seat cushion (36) of the wheelchair for producing an **opposing** force that acts upward on the **implanted magnet** .
... An INDEPENDENT CLAIM is also included for a **magnet** assembly for **reducing compressive forces** on soft tissue disposed between a bone in a subject and a supporting structure...

...Used for a spinal cord injury patient for **reducing compressive force** on soft tissue disposed between a pelvic bone and a supporting structure e.g. wheelchair...

...The **opposing magnet** is **imbedded** in a supporting seat cushion to produce an **opposing** force that acts upward on the **implanted magnet** , thereby **alleviating** excessive **pressure** on the bone prominence, and hence allows for better perfusion of the soft tissue and **prevents** development of **pressure** related decubital **ulcers** .
...

...Permanent **magnet** (30...

... **Opposing magnet** (34
...Title Terms: **MAGNET** ;
International Patent Class (Main): **A61N-002/00**
International Patent Class (Additional): **A61B-017/52**

11/3,K/10 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX

004716420
WPI Acc No: 1986-219762/198634
XRAM Acc No: C86-094598
XRPX Acc No: N86-164040
Cushion for decubital sores **therapy - has** magnet **coil** embedded **in layers of specified plastic materials**
Patent Assignee: AMOENA MEDIZIN-ORTH (AMOE-N)
Inventor: LEYERER R
Number of Countries: 011 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 191129	A	19860820	EP 85106461	A	19850524	198634	B

Priority Applications (No Type Date): DE 3504627 A 19850211
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 191129	A	G	8		

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

Cushion for decubital sores **therapy**...
...**has** magnet **coil** embedded **in layers of specified plastic materials**

...Abstract (Basic): Patients in invalid chairs or who are bedridden can be treated for **decubital sores** or can be protected from them by a cushion with a bottom plate of rigid plastic and a layer of expanded plastics in which a **magnet** coil is **embedded** . This is connected by a plug to a flex for a generator to produce a **magnetic** field with a frequency of 8Hz. The next layer is a silicone rubber of the...
...Title Terms: **MAGNET** ;
International Patent Class (Additional): **A61G-007/04**

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              PERMAMAGNET? OR BIOMAGNET?
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             INFIX? OR INSERT? OR ENGRAFT?
S3       4142   (BED OR BEDS OR PRESSURE? OR COMPRESS? OR DECUBIT?)(2N)(UL-
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             IGAT? OR ABAT? OR PREVENT?)(5N)(PRESSURE? OR COMPRESS?()FORCE-
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S6       8229   SPACE?()APART(5N)RELATION?
S7     109515   IC=(A61B? OR A61N? OR A61G? OR A47C? OR A61F?)
S8         29   S1(10N)S2 AND S3
S9         23   S8 AND S4:S7
S10        29   S8:S9
S11        29   IDPAT (sorted in duplicate/non-duplicate order)
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File 348:EUROPEAN PATENTS 1978-2004/Jun W02
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File 349:PCT FULLTEXT 1979-2002/UB=20040617,UT=20040610
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S2     585379   IMPLANT? OR EMBED? OR IMBED? OR EMPLANT? OR TRANSPLANT? OR
             INFIX? OR INSERT? OR ENGRAFT?
S3       3694   (BED OR BEDS OR PRESSURE? OR COMPRESS?)(2N)(ULCER? OR SORE?
              ? OR CHANCRE? OR LESION? OR WOUND?)
S4     120775   REPULS? OR REPEL? OR OPPOSING OR LEVITAT?
S5     130146   (REDUC? OR ALLEVIAT? OR EASE? OR EASING OR LIGHTEN? OR MIT-
             IGAT? OR ABAT? OR PREVENT?)(5N)(PRESSURE? OR COMPRESS?()FORCE-
             ?)
S6       8229   SPACE?()APART(5N)RELATION?
S7     109515   IC=(A61B? OR A61N? OR A61G? OR A47C? OR A61F?)
S8         25   S1(10N)S2 AND S3
S9         19   S8 AND S4:S7
S10        25   S8:S9
S11        25   IDPAT (sorted in duplicate/non-duplicate order)
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File 348:EUROPEAN PATENTS 1978-2004/Jun W02
         (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040617,UT=20040610
         (c) 2004 WIPO/Univentio
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             INFIX? OR INSERT? OR ENGRAFT?
S3      15632   (BED OR BEDS OR PRESSURE? OR COMPRESS? OR DECUBIT?)(2N)(UL-
             CER? OR SORE? ? OR CHANCRE? OR LESION? OR WOUND?)
S4     354632   REPULS? OR REPEL? OR OPPOSING OR LEVITAT?
S5     203076   (REDUC? OR ALLEVIAT? OR EASE? OR EASING OR LIGHTEN? OR MIT-
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S8         11   S1(10N)S2 AND S3
S9          7   S8 AND S4:S7
S10        11   S8:S9
S11         8   S10 AND PY<2003
S12         7   RD (unique items)
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File  16:Gale Group PROMT(R) 1990-2004/Jun 24
         (c) 2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2004/Jun 24
         (c)2004 The Gale Group
File 149:TGG Health&Wellness DB(SM) 1976-2004/Jun W2
         (c) 2004 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Jun 24
         (c) 2004 The Gale Group
File 444:New England Journal of Med. 1985-2004/Jun W4
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         (c) 2004 Reed Business Information Ltd.
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File  98:General Sci Abs/Full-Text 1984-2004/Jun
         (c) 2004 The HW Wilson Co.
File  15:ABI/Inform(R) 1971-2004/Jun 24
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File   9:Business & Industry(R) Jul/1994-2004/Jun 23
         (c) 2004  The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2004/Jun 23
         (c) 2004 The Gale group
File  80:TGG Aerospace/Def.Mkts(R) 1986-2004/Jun 24
         (c) 2004 The Gale Group
File 141:Readers Guide 1983-2004/Jun
         (c) 2004 The HW Wilson Co
File 482:Newsweek 2000-2004/Jun 22
         (c) 2004 Newsweek, Inc.
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         (c) 2004 ProQuest
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File 636:Gale Group Newsletter DB(TM) 1987-2004/Jun 23
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         (c) 2004 Consumer Union
File 609:Bridge World Markets 2000-2001/Oct 01
         (c) 2001 Bridge
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         (c) 2004 The Gale Group
File 610:Business Wire 1999-2004/Jun 24
         (c) 2004 Business Wire.
File 613:PR Newswire 1999-2004/Jun 24
         (c) 2004 PR Newswire Association Inc
File 809:Bridge World Markets News 1989-1999/Dec 31
         (c) 1999 Bridge
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File  20:Dialog Global Reporter 1997-2004/Jun 24
         (c) 2004 The Dialog Corp.
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12/3,K/6 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01188747 98-38142
Pneumatic pump inflates wheelchair seat
Anonymous
Machine Design v68n7 PP: 32 Apr 4, 1996
ISSN: 0024-9114 JRNL CODE: MDS
WORD COUNT: 210

ABSTRACT: Changing the pressure distribution in a seat for spinal-injury patients quickly cures **pressure ulcers** . However, large-displacement pumps are bulky and run on heavy batteries. Sandia Laboratories, Albuquerque, New...
TEXT: Changing the pressure distribution in a seat for spinal-injury patients quickly cures **pressure ulcers** , but large-displacement pumps are bulky and run off heavy batteries. A portable system developed...

... sets of bladders, inflating them in 90degree phase separation. To minimize the risk of leaks, **magnets embedded** in each piston trigger externally mounted reed switches when the piston reaches the end of...

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               PERMAMAGNET? OR BIOMAGNET?
S2    4051509   IMPLANT? OR EMBED? OR IMBED? OR EMPLANT? OR TRANSPLANT? OR
              INFIX? OR INSERT? OR ENGRAFT?
S3      27819   (BED OR BEDS OR PRESSURE? OR COMPRESS? OR DECUBIT?)(2N)(UL-
              CER? OR SORE? ? OR CHANCRE? OR LESION? OR WOUND?)
S4     219202   REPULS? OR REPEL? OR OPPOSING OR LEVITAT?
S5     185880   (REDUC? OR ALLEVIAT? OR EASE? OR EASING OR LIGHTEN? OR MIT-
              IGAT? OR ABAT? OR PREVENT?)(5N)(PRESSURE? OR COMPRESS?()FORCE-
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S6        104   SPACE?()APART(5N)RELATION?
S7          1   IC=(A61B? OR A61N? OR A61G? OR A47C? OR A61F?)
S8         55   S1 AND S2 AND S3
S9          6   S8 AND S4:S7
S10        55   S8:S9
S11        44   S10 AND PY<2003
S12        24   RD (unique items)
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         (c) 2004 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Jun 24
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         (c) 1998 Inst for Sci Info
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File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
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S3      21920   (BED OR BEDS OR PRESSURE? OR COMPRESS?)(2N)(ULCER? OR SORE?
               ? OR CHANCRE? OR LESION? OR WOUND?)
S4     219202   REPULS? OR REPEL? OR OPPOSING OR LEVITAT?
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S6        104   SPACE?()APART(5N)RELATION?
S7         50   S1 AND S2 AND S3
S8          6   S7 AND S4:S6
S9         50   S7:S8
S10        39   S9 AND PY<2003
S11        23   RD (unique items)
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         (c) 2004 ProQuest Info&Learning
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         (c) 2004 Sport Information Resource Centre
File  50:CAB Abstracts 1972-2004/May
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File  73:EMBASE 1974-2004/Jun W2
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File  91:MANTIS(TM) 1880-2004/Jul
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